

Product datasheet for **RG203372**

KIAA1191 (NM_001079685) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KIAA1191
Synonyms:	p33MONOX; p60MONOX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203372 representing NM_001079685
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTTCAAGACAACCAGAAGTGCCTGCTCTTGAGGCTAGTGCGCCTCTAGGCAAGATGTCCCTGCCCA
TCGGGATATACCGCCGGGCAGTCAGCTATGATGATACCTCGAGGACCTGCGCCCATGACTCCTCTCC
ATCGGACATGGGCAGCGTCCCTTGAAGCCAGTGATTCCAGAGCGCAAGTATCAGCACCTCGCCAAGGTG
GAGGAAGGAGAGGCCAGTCTACCTCCCCTGCCATGACCTGTCATCAGCCATTGACAGTGTGGACAAGG
TCCCAGTGGTGAAGGCTAAAGCTACCCATGTCATCATGAATTCTCTGATCACAAAACAGACCCAGGAAAG
CATTCAGCATTTTGAGCGACAGGCAGGGCTGAGAGATGCTGGCTACACACCCCAAGGGCCTCACCACC
GAGGAGACCAAGTACCTTCGAGTGGCCGAAGCACTCCACAACTAAAGTTACAGAGTGGAGAGGTAACAA
AAGAAGAGAGGCAGCCTGCATCAGCCAGTCCACCCAAGCACTCCGCACTCTTCACCTAAGCAGAG
GCCCAGGGGCTGGTTCACTTCTGGTTCTTCCACAGCCTTACCTGGCCCAATCTAGCACCATGGACTCT
GGAAAGTGGGGATAAGGACAGAACTTGTCAGATAAGTGAGGCTCTTTGGACCGAGATCCCTTCAGAAGT
ACGATTCTGGAAGTTTGGCACCCAGGCTACCGAGGAGCCCAAGGCCCTCTCCATTGGAAGTATACG
TGCCAGGCCAACCGAATGGCTGAAGATCCAGCAGCCTTGAAGCCCCCAAGATGGACATCCAGTGATG
GAAGGAAAGAAACAGCCACCAGGGCCCAACCTCAAACCCCGTGACCTGAATGTGCTCACACCACTG
GCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG203372 representing NM_001079685
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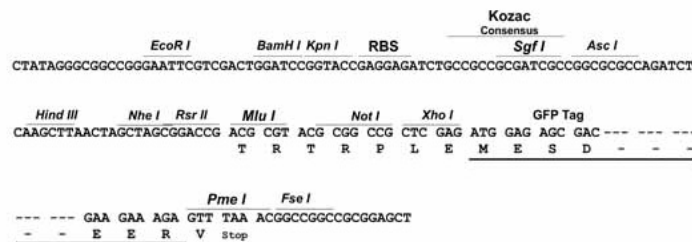
MASRQPEVPALEASAPLGKMSLPIGIYRRAVSYYDDTLEDPA PMTPPPSDMGSPWKPVIPERKYQHLAKV
EEGEASLPSPAMTLSSAIDSVDKVPVVKAKATHVIMNSLITKQTQESIQHFERQAGLRDAGYTPHKGLTT
EETKYLRVAEALHKLKLSGEVTKEERQPASAQSTPSTTPHSSPKQRPRGWFTSGSSTALPGPNPSTMDS
GSGDKDRNLSDKWSLFGPRSLQKYDSGSFATQAYRGAQKPSPLELIRAQANRMAEDPAALKPPKMDIPVM
EGKKQPPRAHNLPKPRDLNVLTPTF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001079685

ORF Size: 915 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001079685.2](#), [NP_001073153.1](#)

RefSeq Size: 2744 bp

RefSeq ORF: 918 bp

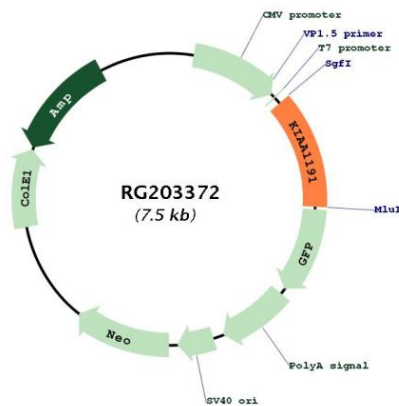
Locus ID: 57179

UniProt ID: [Q96A73](#)

Cytogenetics: 5q35.2

Gene Summary: Potential NADPH-dependent oxidoreductase. May be involved in the regulation of neuronal survival, differentiation and axonal outgrowth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203372